

## **TAF7 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant TAF7.

Catalog # AT4147a

### **Specification**

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#### **TAF7 Antibody (monoclonal) (M01) - Product Information**

Application	IF, WB, IHC, E
Primary Accession	<a href="#">Q15545</a>
Other Accession	<a href="#">BC032737</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	40259

#### **TAF7 Antibody (monoclonal) (M01) - Additional Information**

**Gene ID** 6879

##### **Other Names**

Transcription initiation factor TFIID subunit 7, RNA polymerase II TBP-associated factor subunit F, Transcription initiation factor TFIID 55 kDa subunit, TAF(II)55, TAFII-55, TAFII55, TAF7, TAF2F, TAFII55

##### **Target/Specificity**

TAF7 (AAH32737, 130 a.a. ~ 224 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### **Dilution**

WB~~1:500~1000

##### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### **Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### **Precautions**

TAF7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

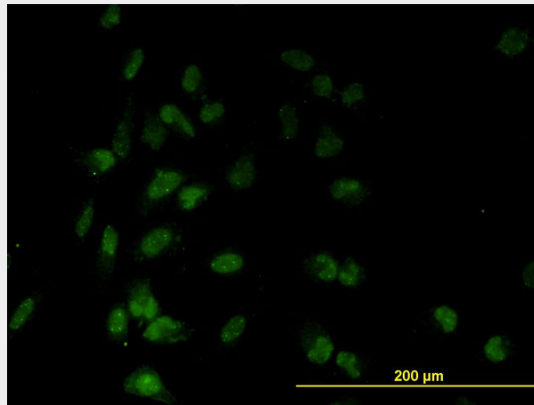
#### **TAF7 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

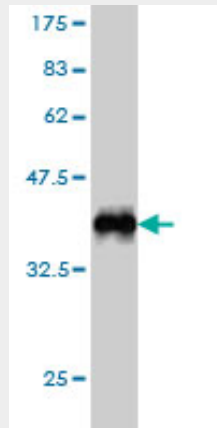
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

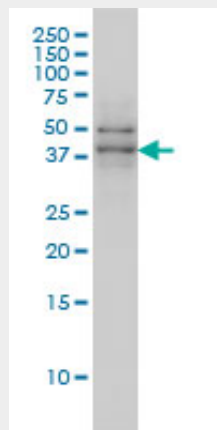
### TAF7 Antibody (monoclonal) (M01) - Images



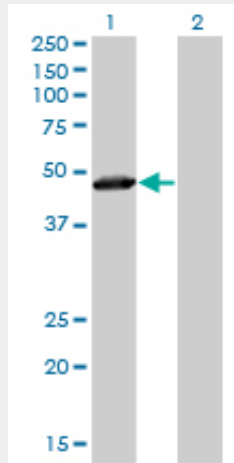
Immunofluorescence of monoclonal antibody to TAF7 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.08 KDa) .

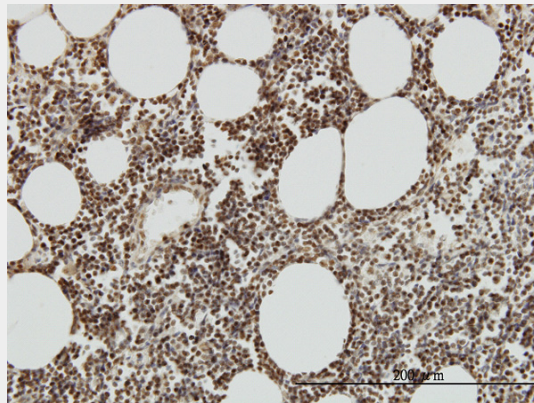


TAF7 monoclonal antibody (M01), clone 2C5 Western Blot analysis of TAF7 expression in MCF-7 (Cat # AT4147a )

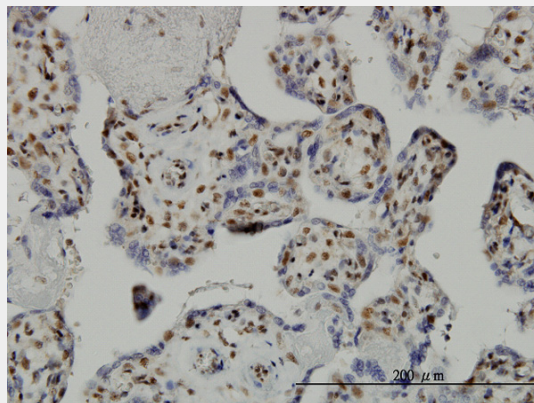


Western Blot analysis of TAF7 expression in transfected 293T cell line by TAF7 monoclonal antibody (M01), clone 2C5.

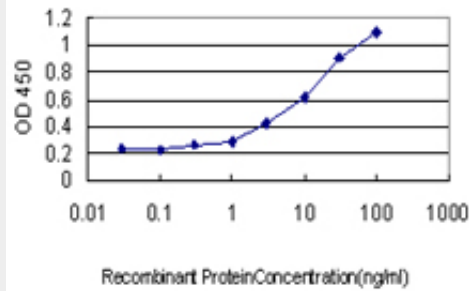
Lane 1: TAF7 transfected lysate(40.3 KDa).  
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to TAF7 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]



Immunoperoxidase of monoclonal antibody to TAF7 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged TAF7 is approximately 0.3ng/ml as a capture antibody.

### TAF7 Antibody (monoclonal) (M01) - Background

The intronless gene for this transcription coactivator is located between the protocadherin beta and gamma gene clusters on chromosome 5. The protein encoded by this gene is a component of the TFIID protein complex, a complex which binds to the TATA box in class II promoters and recruits RNA polymerase II and other factors. This particular subunit interacts with the largest TFIID subunit, as well as multiple transcription activators. The protein is required for transcription by promoters targeted by RNA polymerase II.

### TAF7 Antibody (monoclonal) (M01) - References

1. Core promoter factor TAF9B regulates neuronal gene expression. Herrera FJ, Yamaguchi T, Roelink H, Tjian R. *Life (Cambridge)*. 2014 Jul 8;3:e02559. doi: 10.7554/eLife.02559.
2. Taf7l cooperates with Trf2 to regulate spermiogenesis. Zhou H, Grubisic I, Zheng K, He Y, Wang PJ, Kaplan T, Tjian R. *Proc Natl Acad Sci U S A*. 2013 Oct 15;110(42):16886-91. doi: 10.1073/pnas.1317034110. Epub 2013 Sep 30.
3. Dual functions of TAF7L in adipocyte differentiation. Zhou H, Kaplan T, Li Y, Grubisic I, Zhang Z, Wang PJ, Eisen MB, Tjian R. *Life (Cambridge)*. 2013;2:e00170. doi: 10.7554/eLife.00170. Epub 2013 Jan 8.
4. Core promoter recognition complex changes accompany liver development. D'Alessio JA, Ng R, Willenbring H, Tjian R. *Proc Natl Acad Sci U S A*. 2011 Mar 8;108(10):3906-11. Epub 2011 Feb 22.